

#2



OIPE

H2
ENTEREDRAW SEQUENCE LISTING
PATENT APPLICATION: US/10/075,869DATE: 03/05/2002
TIME: 14:14:03Input Set : A:\sequencelistingsrobbins.txt
Output Set: N:\CRF3\03052002\J075869.raw

4 <110> APPLICANT: Robbins, Paul D.
5 Mi, Zhibao
6 Frizzell, Raymond
7 Glorioso, Joseph C.
8 Gambotto, Andrea
10 <120> TITLE OF INVENTION: IDENTIFICATION OF PEPTIDES THAT
11 FACILITATE UPTAKE AND CYTOPLASMIC AND/OR NUCLEAR TRANSPORT
12 OF PROTEINS, DNA AND VIRUSES
15 <130> FILE REFERENCE: AP32573-AAA 072396.0237
C--> 17 <140> CURRENT APPLICATION NUMBER: US/10/075,869
C--> 18 <141> CURRENT FILING DATE: 2002-02-13
20 <150> PRIOR APPLICATION NUMBER: 60/151,980
21 <151> PRIOR FILING DATE: 1999-09-01
23 <150> PRIOR APPLICATION NUMBER: 60/188,944
24 <151> PRIOR FILING DATE: 2000-03-13
26 <160> NUMBER OF SEQ ID NOS: 99
28 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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31 <211> LENGTH: 12
32 <212> TYPE: PRT
33 <213> ORGANISM: Artificial Sequence
35 <220> FEATURE:
36 <223> OTHER INFORMATION: random peptide library
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40 1 5 10
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44 <211> LENGTH: 12
45 <212> TYPE: PRT
46 <213> ORGANISM: Artificial Sequence
48 <220> FEATURE:
49 <223> OTHER INFORMATION: random peptide library
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52 Lys Arg Ile His Pro Arg Leu Thr Arg Ser Ile Arg
53 1 5 10
56 <210> SEQ ID NO: 3
57 <211> LENGTH: 12
58 <212> TYPE: PRT
59 <213> ORGANISM: Artificial Sequence
61 <220> FEATURE:
62 <223> OTHER INFORMATION: random peptide library
64 <400> SEQUENCE: 3
65 Pro Pro Arg Leu Arg Lys Arg Arg Gln Leu Asn Met

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66 1 5 10
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71 <212> TYPE: PRT
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75 <223> OTHER INFORMATION: random peptide library
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82 <210> SEQ ID NO: 5
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84 <212> TYPE: PRT
85 <213> ORGANISM: Artificial Sequence
87 <220> FEATURE:
88 <223> OTHER INFORMATION: random peptide library
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91 Arg Arg Gln Arg Arg Thr Ser Lys Leu Met Lys Arg
92 1 5 10
95 <210> SEQ ID NO: 6
96 <211> LENGTH: 12
97 <212> TYPE: PRT
98 <213> ORGANISM: Artificial Sequence
100 <220> FEATURE:
101 <223> OTHER INFORMATION: random peptide library
103 <400> SEQUENCE: 6
104 Met His Lys Arg Pro Thr Thr Pro Ser Arg Lys Met
105 1 5 10
108 <210> SEQ ID NO: 7
109 <211> LENGTH: 12
110 <212> TYPE: PRT
111 <213> ORGANISM: Artificial Sequence
113 <220> FEATURE:
114 <223> OTHER INFORMATION: random peptide library
116 <400> SEQUENCE: 7
117 Arg Gln Arg Ser Arg Arg Arg Pro Leu Asn Ile Arg
118 1 5 10
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122 <211> LENGTH: 12
123 <212> TYPE: PRT
124 <213> ORGANISM: Artificial Sequence
126 <220> FEATURE:
127 <223> OTHER INFORMATION: random peptide library
129 <400> SEQUENCE: 8
130 Arg Ile Arg Met Ile Gln Asn Leu Ile Lys Lys Thr
131 1 5 10
134 <210> SEQ ID NO: 9
135 <211> LENGTH: 12
136 <212> TYPE: PRT

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137 <213> ORGANISM: Artificial Sequence
139 <220> FEATURE:
140 <223> OTHER INFORMATION: random peptide library
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143 Ser Arg Arg Lys Arg Gln Arg Ser Asn Met Arg Ile
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148 <211> LENGTH: 12
149 <212> TYPE: PRT
150 <213> ORGANISM: Artificial Sequence
152 <220> FEATURE:
153 <223> OTHER INFORMATION: random peptide library
155 <400> SEQUENCE: 10
156 Gln Arg Ile Arg Lys Ser Lys Ile Ser Arg Thr Leu
157 1 5 10
160 <210> SEQ ID NO: 11
161 <211> LENGTH: 12
162 <212> TYPE: PRT
163 <213> ORGANISM: Artificial Sequence
165 <220> FEATURE:
166 <223> OTHER INFORMATION: random peptide library
168 <400> SEQUENCE: 11
169 Pro Ser Lys Arg Leu Leu His Asn Asn Leu Arg Arg
170 1 5 10
173 <210> SEQ ID NO: 12
174 <211> LENGTH: 12
175 <212> TYPE: PRT
176 <213> ORGANISM: Artificial Sequence
178 <220> FEATURE:
179 <223> OTHER INFORMATION: random peptide library
181 <400> SEQUENCE: 12
182 His Arg His Ile Arg Arg Gln Ser Leu Ile Met Leu
183 1 5 10
186 <210> SEQ ID NO: 13
187 <211> LENGTH: 12
188 <212> TYPE: PRT
189 <213> ORGANISM: Artificial Sequence
191 <220> FEATURE:
192 <223> OTHER INFORMATION: random peptide library
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196 1 5 10
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204 <220> FEATURE:
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207 <400> SEQUENCE: 14

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Input Set : A:\sequencelistingrobbins.txt
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209 1 5 10
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217 <220> FEATURE:
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221 Ser Met Leu Lys Arg Asn His Ser Thr Ser Asn Arg
222 1 5 10
225 <210> SEQ ID NO: 16
226 <211> LENGTH: 12
227 <212> TYPE: PRT
228 <213> ORGANISM: Artificial Sequence
230 <220> FEATURE:
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233 <400> SEQUENCE: 16
234 Gly Ser Arg His Pro Ser Leu Ile Ile Pro Arg Gln
235 1 5 10
238 <210> SEQ ID NO: 17
239 <211> LENGTH: 12
240 <212> TYPE: PRT
241 <213> ORGANISM: Artificial Sequence
243 <220> FEATURE:
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246 <400> SEQUENCE: 17
247 Ser Pro Met Gln Lys Thr Met Asn Leu Pro Pro Met
248 1 5 10
251 <210> SEQ ID NO: 18
252 <211> LENGTH: 12
253 <212> TYPE: PRT
254 <213> ORGANISM: Artificial Sequence
256 <220> FEATURE:
257 <223> OTHER INFORMATION: random peptide library
259 <400> SEQUENCE: 18
260 Asn Lys Arg Ile Leu Ile Arg Ile Met Thr Arg Pro
261 1 5 10
264 <210> SEQ ID NO: 19
265 <211> LENGTH: 16
266 <212> TYPE: PRT
267 <213> ORGANISM: Artificial Sequence
269 <220> FEATURE:
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272 <400> SEQUENCE: 19
273 Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys Lys
274 1 5 10 15
277 <210> SEQ ID NO: 20
278 <211> LENGTH: 12

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Input Set : A:\sequencelistingsrobbins.txt
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279 <212> TYPE: PRT
280 <213> ORGANISM: Artificial Sequence
282 <220> FEATURE:
283 <223> OTHER INFORMATION: random peptide library
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287 1 5 10
290 <210> SEQ ID NO: 21
291 <211> LENGTH: 11
292 <212> TYPE: PRT
293 <213> ORGANISM: Artificial Sequence
295 <220> FEATURE:
296 <223> OTHER INFORMATION: random peptide library
298 <400> SEQUENCE: 21
299 Tyr Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg
300 1 5 10
303 <210> SEQ ID NO: 22
304 <211> LENGTH: 7
305 <212> TYPE: PRT
306 <213> ORGANISM: Artificial Sequence
308 <220> FEATURE:
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311 <400> SEQUENCE: 22
312 Lys Leu Ala Lys Leu Ala Lys
313 1 5
316 <210> SEQ ID NO: 23
317 <211> LENGTH: 14
318 <212> TYPE: PRT
319 <213> ORGANISM: Artificial Sequence
321 <220> FEATURE:
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324 <400> SEQUENCE: 23
325 Lys Leu Ala Lys Leu Ala Lys Lys Leu Ala Lys Leu Ala Lys
326 1 5 10
329 <210> SEQ ID NO: 24
330 <211> LENGTH: 28
331 <212> TYPE: PRT
332 <213> ORGANISM: Artificial Sequence
334 <220> FEATURE:
335 <223> OTHER INFORMATION: random peptide library
337 <400> SEQUENCE: 24
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339 1 5 10 15
340 Ala Lys Leu Ala Lys Lys Leu Ala Lys Leu Ala Lys
341 20 25
344 <210> SEQ ID NO: 25
345 <211> LENGTH: 12
346 <212> TYPE: PRT
347 <213> ORGANISM: Artificial Sequence

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/075,869

DATE: 03/05/2002

TIME: 14:14:04

Input Set : A:\sequencelistingrobbins.txt
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L:17 M:270 C: Current Application Number differs, Replaced Current Application Number
L:18 M:271 C: Current Filing Date differs, Replaced Current Filing Date